PATENT COOPERATION TREATY PCT

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCI Article 36 and Rule 70)			
Applicant's or agent's file reference 510465 CJE/fjw	FOR FURTHER AC	CTION	See Form PCT/IPEA/416
International application No. PCT/NZ2004/000293	International filing da 18 November 2004		Priority date (day/month/year) 18 November 2003
International Patent Classification (IPC) or	national classification	and IPC	
Int. Cl. ⁷ C07H 15/04, 15/207, A61K	31/7004, 31/7016, A	.61P 29/00 17/00, 11/0	
Applicant THE MALAGHAN INSTITUTE OF MEDICAL RESEARCH et al			
1. This report is the international preliminal Authority under Article 35 and transmit	-		rnational Preliminary Examining .
2. This REPORT consists of a total of 4	sheets, including this o	cover sheet.	
3. This report is also accompanied by ANN	NEXES, comprising:		
a. X (sent to the applicant and to the	: International Bureau)	a total of 14 sheets, a	s follows:
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).			
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or table related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).			
4. This report contains indications relating	g to the following items	3:	•
X Box No. I Basis of the repor	rt .		i
Box No. II Priority	Box No. II Priority		
X Box No. III Non-establishmen	nt of opinion with rega	rd to novelty, inventive	step and industrial applicability
Box No. IV Lack of unity of i	nvention	•	
1 <u> </u>	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
Box No. VI Certain document			
Box No. VII Certain defects in	Box No. VII Certain defects in the international application		
Box No. VIII Certain observations on the international application			·
Date of submission of the demand		Date of completion of the report	
20 June 2005		20 October 2005	
Name and mailing address of the IPEA/AU		Authorized Officer	
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		S. R. IDRUS Telephone No. (02) 62	283 2659

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International application No.

PCT/NZ2004/000293

DUA	Basis of the report			
1.	With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.	3		
	This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:			
	international search (under Rules 12.3 and 23.1 (b))			
·	publication of the international application (under Rule 12.4)			
	international preliminary examination (under Rules 55.2 and/or 55.3)			
2.				
	the international application as originally filed/furnished			
•	X the description:			
	pages 1, 2, 4-7, 9-14, 16-19, 21-49, 52-64, 66-75 as originally filed/furnished			
	pages* 3, 8, 15, 20, 50, 51, 65 received by this Authority on 20 June 2005 with the letter of 20 June 2005			
	pages* received by this Authority on with the letter of			
	X the claims:			
	pages 78 as originally filed/furnished			
	pages* as amended (together with any statement) under Article 19			
	pages* 76, 77, 79-82 received by this Authority on 20 June 2005 with the letter of 20 June 2005 pages* received by this Authority on with the letter of	5		
	X the drawings:			
	pages 1/11-6/11, 8/11-11/11 as originally filed/furnished			
	pages* 7/11 received by this Authority on 20 June 2005 with the letter of 20 June 2005 pages* received by this Authority on with the letter of			
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.			
3. [The amendments have resulted in the cancellation of:			
	the description, pages			
	the claims, Nos.			
	the drawings, sheets/figs			
	the sequence listing (specify):			
	any table(s) related to the sequence listing (specify):			
4. [This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).			
	the description, pages			
	the claims, Nos.			
	the drawings, sheets/figs			
	the sequence listing (specify):			
	any table(s) related to the sequence listing (specify):			
* .	If item 4 applies, some or all of those sheets may be marked "superseded."			
		ă		

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Box	No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
1.	_	ions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be y applicable have not been examined in respect of:
	th	entire international application
	X cl	ms Nos: 1-29
	because	•
	th	said international application, or the said claims Nos.
	re	te to the following subject matter which does not require an international preliminary examination (specify):
		•
-		i .
		·
		-
	T th	description, claims or drawings (indicate particular elements below) or said claims Nos.
	1	so unclear that no meaningful opinion could be formed (specify):
		•
		•
•		•
	th	claims, or said claims Nos.
		so inadequately supported by the description that no meaningful opinion could be formed.
	X no	international search report has been established for said claim Nos. 1-29
	th	nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the
	L	ministrative Instructions in that:
	the	ritten form has not been furnished
		does not comply with the standard
	the	omputer readable form has not been furnished
		does not comply with the standard
		tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply a the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	Se Se	Supplemental Box for further details.

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NO

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citation	s and explanations supporting such statement

1. Statement	•		•
Novelty (N)	Claims 30	0-34	YES
	Claims	•	NO
Inventive step	(IS) Claims 30	0-34	YES
	Claims		NO
Industrial appl	icability (IA) Claims 30	0-34	YES

2. Citations and explanations (Rule 70.7)

As no international search report was established for claims 1-29, no opinion with regard to novelty, inventive step and industrial applicability is provided for said claims 1-29. However, the citations identified by the search conducted are relevant to Claim 1.

The International Search Report identified the following citations:

Claims

- D1 STN File CA Abstract Accession No. 138:343608
- D2 STN File CA Abstract Accession No. 130:311982
- D3 STN File CA Abstract Accession No. 97:56144
- D4 STN File CA Abstract Accession No. 92:181557
- D5 Derwent Abstract Accession No. 94-347142/43
- **D6** WO 1994/021656

D1-D6 disclosed compounds which are excluded by provisos from the scope of the present claims.

Accordingly, Claims 30-34 are novel and involve inventive step in the light of D1 to D6.

The present invention provides synthetic molecules having PIM or PIM-like activity for use as immune system modifier.

Accordingly, the claimed subject matter has industrial applicability.